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Total Number of Pages in This Submission

Application Number	10/829,549
Filing Date	April 22, 2004
First Named Inventor	Junru Jiao
Art Unit	
Examiner Name	
Attorney Docket Number	PGS-03-07US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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Remarks

Other:
- Transmittal Letter
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	E. Eugene Thigpen
Signature	
Date	June 22, 2004

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Junru Jiao, *et al.*
Serial No. 10/829,549
Filed: April 22, 2004
Title: HORIZON-BASED RESIDUAL
DEPTH MIGRATION VELOCITY
ANALYSIS

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Group Art Unit:

Examiner:

Atty Docket No. PGS-03-07US

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E. Eugene Thigpen
E. Eugene Thigpen

Date: June 22, 2004

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b)

Sir:

The Applicant respectfully submits herewith an Information Disclosure Statement citing copies of references (C1-C9).

This Information Disclosure Statement is being filed within three months of filing this application.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. § 1.16 to 1.21 be deemed

necessary for any reason the Commissioner is authorized to deduct the fees from Petroleum Geo-Services, Inc.'s Deposit Account 50-2223.

Respectfully submitted


E. Eugene Thigpen, Reg. No. 27,400

Date: June 22, 2004

Petroleum Geo Services, Inc.
738 Highway 6 South
Suite 500
Houston, TX 77079
Direct Dial Telephone: 281-679-2288



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Page 1 of 2

Atty. Docket No.

PGS-03-07US

Serial No. 10/829,549

Applicants

Junru Jiao, et al.

Examiner Name

Unknown

Filing Date:

April 22, 2004

Group Art:

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 2

Other Art

See Page 2

U.S. Patent Documents

Exam. Init.	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1				
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
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	A11				
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INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Page 2 of 2

Atty. Docket No.

PGS-03-07US

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April 22, 2004

Group Art:

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 2

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See Page 2

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						
	B4						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Stoffa, P.L., Buhl, P., Diebold, J.B., and Wenzel, F., <i>Direct mapping of seismic data to the domain of intercept time and ray parameter – A plane-wave decomposition</i> , Geophysics, 1981, pages 255-267, Vol. 46
	C2	Al-Yahya, K., <i>Velocity analysis by iterative profile migration</i> , Geophysics, 1989, pages 718-729, Vol. 54
	C3	Meng, Z., Bleistein, N., and Wyatt, K.D., <i>3-D Analytical migration velocity analysis I: Two-step velocity estimation by reflector-normal update</i> , 69 th Annual International Meeting, Society of Exploration Geophysicists, Expanded Abstracts, 1999, pages 1727-1730
	C4	Akbar, F.E., Sen, M.K., and Stoffa, P.L., <i>Prestack plane-wave Kirchhoff migration in laterally varying media</i> , Geophysics, 1996, pages 1068-1079, Vol. 61
	C5	Tanis, M.C., <i>Prestack Split-step Fourier Depth Migration Algorithms and Parallel Implementation on Cray T3E</i> , Ph.D. Dissertation, The University of Texas at Austin, 1998
	C6	Whitmore, N.D. and Garing, J.D., <i>Internal velocity estimation using iterative prestack depth migration in the constant angle domain</i> , The Leading Edge, 1993, pages 757-762, Vol. 12, No. 7
	C7	Deregowski, S.M., <i>Common-offset migrations and velocity analysis</i> , First Break, 1990, pages 225-234, Vol. 8, No. 6
	C8	Jiao, J., P.L. Stoffa, Sen, M.K., Sen, Seifoullaev, R.K., <i>Residual migration-velocity analysis in the plane-wave domain</i> , Geophysics, 2002, pages 1258-1269, Vol. 67
	C9	Jiao, J., <i>Residual Migration Velocity Analysis in the Plane Wave Domain: Theory and Applications</i> , Ph.D. Dissertation, The University of Texas at Austin, 2001

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